

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,578,147 B1  
DATED : June 10, 2003  
INVENTOR(S) : Steven D. Shanklin et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

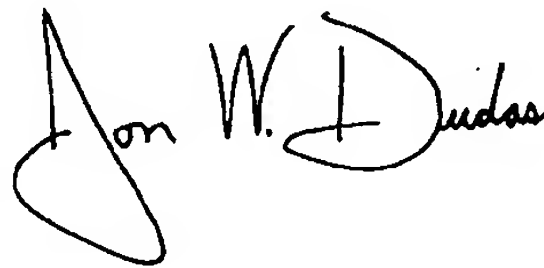
Title page,

Item [56], **References Cited**, OTHER PUBLICATIONS, insert

-- Introduction to Algorithms", Cormen et al., Ch. 34, pp. 853-885, Copyright © 1990 --.

Signed and Sealed this

Seventeenth Day of February, 2004

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with the first name "Jon" and last name "Dudas" clearly legible, and "W." in the middle.

JON W. DUDAS

*Acting Director of the United States Patent and Trademark Office*